EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((register$3 near5 (device or computer or phone or laptop)) and (("IP" or "internet protocol" or "MAC") near5 address) and (secret adj5 (key or cipher)) and (master adj5 (key or cipher)) and (authenticat$3 or verif$7 or validat$3)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 18:56
L2	45	((register$3 near5 (device or computer or phone or laptop)) and (("IP" or "internet protocol" or "MAC") near5 address) and (secret adj5 (key or cipher)) and (master adj5 (key or cipher)) and (authenticat$3 or verif$7 or validat$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:09
L3	1	((register$3 near5 (device or computer or phone or laptop)) same (("IP" or "internet protocol" or "MAC") near5 address) and (secret adj5 (key or cipher)) same (master adj5 (key or cipher)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:15
L4	2264	((register$3 near5 (device or computer or phone or laptop)) same (("IP" or "internet protocol" or "MAC") near5 address))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:15
L5	2050	713/168.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L6	449	713/169.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L7	789	713/170.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L8	852	713/171.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	789	726/2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L10	799	726/3.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L11	1532	726/4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L12	398	370/218.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:16
L13	66	(l5 or l6 or l7 or l8 or l9 or l10 or l11 or l12) and l4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:25
L14	5	"6314565".pn. or "20020188704"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:00
L15	20840	(telephon$2 near5 (register$3 or registration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:01
L16	293	l15 with secur$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:02
L17	0	l16 same ((key or cipher) near9 master) same ((key or cipher) near9 secret)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:05

EAST Search History

L18	2	l16 and ((key or cipher) near9 master) and ((key or cipher) near9 secret)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:03
L19	0	l16 same ((key or cipher) near9 server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:05
L20	24	l16 and ((key or cipher) near9 server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 20:05

Day : Tuesday
Date: 11/6/2007

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Time: 19:07:55

Inventor Name Search Result

Your Search was:

Last Name = GILMAN
First Name = ROBERT

Application#	Patent#	Status	Date Filed	Title	Inventor Name
60464278	Not Issued	159	04/21/2003	Embedded sensing devices and methods of detection and guidance for visually impaired persons	GILMAN, ROBERT
09579030	6853399	150	05/26/2000	KITCHEN APPLIANCE WITH VIDEO DISPLAY	GILMAN, ROBERT A.
07140714	4918995	250	01/04/1988	ELECTRONIC GAS METER	GILMAN, ROBERT E.
07255771	Not Issued	166	10/11/1988	METHOD AND APPARATUS FOR PROVING ELECTRONIC GAS METERS	GILMAN, ROBERT E.
07434595	4953386	150	11/13/1989	METHOD AND APPARATUS FOR PROVING ELECTRONIC GAS METERS	GILMAN, ROBERT E.
08722402	5789883	150	09/30/1996	00LSE DURATION MODULATED SWITCHED RELUCTANCE MOTOR CONTROL	GILMAN, ROBERT E.
06166840	4527123	150	07/08/1980	IMPROVED METHOD AND APPARATUS FOR DETECTING AND LOCATING RESIDUALLY MAGNETIZED ITEMS	GILMAN, ROBERT F.
09305817	Not Issued	161	05/04/1999	NEGOTIATION FACILITATION DURING CLAIM PROCESSING	GILMAN, ROBERT G.
09490366	6718711	150	01/24/2000	PREFABRICATED HOUSING	GILMAN, ROBERT L.
60117227	Not Issued	159	01/26/1999	PREFABRICATED HOUSING	GILMAN, ROBERT L.
10028004	Not Issued	124	12/21/2001	Secure data authentication apparatus	GILMAN, ROBERT R.
10038295	7006628	150	01/04/2002	EFFICIENT PACKET ENCRYPTION METHOD	GILMAN, ROBERT R.
10401919	Not Issued	71	03/27/2003	Method to authenticate packet payloads	GILMAN, ROBERT R.

10775498	Not Issued	71	02/09/2004	Key server for securing IP telephony registration, control, and maintenance	GILMAN, ROBERT R.
10947418	Not Issued	30	09/21/2004	Secure installation activation	GILMAN, ROBERT R.
11395877	Not Issued	71	03/31/2006	Verifiable generation of weak symmetric keys for strong algorithms	GILMAN, ROBERT R.
11463160	Not Issued	30	08/08/2006	CERTIFICATE-BASED FIREWALL	GILMAN, ROBERT R.
06791360	Not Issued	161	10/25/1985	GAME	GILMAN, ROBERT R.
08528505	5757781	150	09/14/1995	DYNAMIC INSERTION AND REMOVAL OF MULTI-MEDIA CALL-HANDLING RESOURCES INTO/FROM VIDEO CALLS TO PROVIDE CALLING FEATURES	GILMAN, ROBERT R.
09052850	6307932	150	03/31/1998	END-USER CONTROL OF AUDIO DELIVERY ENDPOINT IN A MULTIMEDIA ENVIRONMENT	GILMAN, ROBERT R.
10227970	Not Issued	93	08/26/2002	DETERMINATION OF ENDPOINT VIRTUAL ADDRESS ASSIGNMENT IN AN INTERNET TELEPHONY SYSTEM	GILMAN, ROBERT REAGAN
60355896	Not Issued	159	02/11/2002	Determination of endpoint IP address assignment in an internet telephony system	GILMAN, ROBERT REAGAN
06290380	4354817	150	08/05/1981	COMPOSITE EXTRUSION DIE	GILMAN, ROBERT W.

Inventor Search Completed: No Records to Display.

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Time: 19:09:42

Inventor Name Search Result

Your Search was:

Last Name = ROBINSON
First Name = RICHARD

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08580866	Not Issued	161	12/29/1995	FIELD EMISSION DISPLAY	ROBINSON, RICHARD K.
08581046	5813893	150	12/29/1995	FIELD EMISSION DISPLAY FABRICATION METHOD	ROBINSON, RICHARD K.
08980465	6004181	150	11/28/1997	FIELD EMISSION DISPLAY FABRICATION METHOD	ROBINSON, RICHARD K.
29112707	D432431	150	10/22/1999	COMBINATION JACK-IN-THE-BOX AND TIMER	ROBINSON, RICHARD K.
10028004	Not Issued	124	12/21/2001	Secure data authentication apparatus	ROBINSON, RICHARD L.
10038295	7006628	150	01/04/2002	EFFICIENT PACKET ENCRYPTION METHOD	ROBINSON, RICHARD L.
10775498	Not Issued	71	02/09/2004	Key server for securing IP telephony registration, control, and maintenance	ROBINSON, RICHARD L.
10947418	Not Issued	30	09/21/2004	Secure installation activation	ROBINSON, RICHARD L.
10956861	Not Issued	30	09/30/2004	Certificate distribution via license files	ROBINSON, RICHARD L.
11119188	Not Issued	30	04/29/2005	Method and system for secure communications with IP telephony appliance	ROBINSON, RICHARD L.
11226122	Not Issued	30	09/13/2005	Method for undetectably impeding key strength of encryption usage for products exported outside the U.S.	ROBINSON, RICHARD L.
11463160	Not Issued	30	08/08/2006	CERTIFICATE-BASED FIREWALL	ROBINSON, RICHARD L.
60615302	Not Issued	159	09/30/2004	Method and system for secure communications with IP telephony appliance	ROBINSON, RICHARD L.
06121706	4450670	150	02/15/1980	WEED CUTTER FOR BOAT MOTOR	ROBINSON, RICHARD L.
06558574	4457832	150	12/06/1983	COMBINATION CATALYTIC REFORMING-	ROBINSON, RICHARD L.

				ISOMERIZATION PROCESS FOR UPGRADING NAPHTHA	
06645584	4608280	150	08/30/1984	POLYMER CONCRETE COMPOSITION, METHODS FOR LINING PIPES AND FOR FILLING GIRTHWELD CONCRETE CUTBACKS USING THE COMPOSITION AND A REUSABLE MOLD FOR THE FILLING OF GIRTHWELD CONCRETE CUTBACKS	ROBINSON, RICHARD M.
06645585	Not Issued	168	08/30/1984	METHOD FOR PROTECTING FROM CORROSION THE FILLED GIRTHWELD CUTBACK AREA OF A CONCRETE COATED PIPE	ROBINSON, RICHARD M.
11135470	7217099	150	05/24/2005	COATED FORWARD STUB SHAFT DOVETAIL SLOT	ROBINSON, RICHARD MICHAEL
06129752	4356349	150	03/12/1980	ACOUSTIC IMAGE ENHANCING METHOD AND APPARATUS	ROBINSON, RICHARD P.
06237511	Not Issued	161	03/03/1981	ACOUSTIC IMAGE ENHANCING METHOD AND APPARATUS	ROBINSON, RICHARD P.
07331403	4931907	150	03/30/1989	ELECTRIC MODULE LATCH ASSEMBLY	ROBINSON, RICHARD P.
60704210	Not Issued	159	07/29/2005	Creation of a biological atrioventricular bypass with sodium channels to compensate for atrioventricular block	ROBINSON, RICHARD R.
60715934	Not Issued	159	09/09/2005	HCN chimera channels	ROBINSON, RICHARD R.
07218954	4877235	250	07/14/1988	CURRENCY SORTER AND STORAGE DEVICE	ROBINSON, RICHARD R.
09886756	6592849	150	06/21/2001	CHEWING GUM TO CONTROL MALODOROUS BREATH	ROBINSON, RICHARD S.
09886901	6416744	150	06/21/2001	TOOTH WHITENING CHEWING GUM	ROBINSON, RICHARD S.
09933095	6419903	150	08/20/2001	BREATH FRESHENING FILM	ROBINSON, RICHARD S.
10155496	6770266	150	05/24/2002	LIQUID TOOTH WHITENING COMPOSITION	ROBINSON, RICHARD S.
10618331	Not Issued	89	07/11/2003	Chewable antiplaque confectionery dental composition	ROBINSON, RICHARD S.

10801312	Not Issued	161	03/17/2004	Liquid tooth whitening composition	ROBINSON, RICHARD S.
10878625	Not Issued	160	06/28/2004	Liquid tooth whitening composition	ROBINSON, RICHARD S.
11020010	Not Issued	30	12/21/2004	Anti-caries oral care composition with xylitol	ROBINSON, RICHARD S.
11020014	Not Issued	30	12/21/2004	Anti-caries oral care composition with a chelating agent	ROBINSON, RICHARD S.
07385831	Not Issued	161	07/26/1989	PLAQUE DISCLOSING COMPOSITIONS	ROBINSON, RICHARD S.
07413366	5116602	150	09/27/1989	ANTIPLAQUE ORAL COMPOSITIONS	ROBINSON, RICHARD S.
07427660	5135738	150	10/26/1989	ARTICLE COMPRISING A D8SPENSING CONTAINER OF POLYMERIC MATERIAL IN CONTACT WITH AN ANTIPLAQUE ORAL COMPOSITIOON WITH WHICH IT IS COMPATIABLE	ROBINSON, RICHARD S.
07484711	Not Issued	164	02/26/1990	A CONTAINER HAVING A LOW ABSORBTIVITY FOR DENTIFRICE FLAVORANT OILS	ROBINSON, RICHARD S.
07505628	5167951	150	04/06/1990	PACKAGED ANTI-PLAQUE ORAL COMPOSITIONS	ROBINSON, RICHARD S.
07830104	5407742	150	02/03/1992	PASTE DISPENSING CONTAINER	ROBINSON, RICHARD S.
07922252	5273741	150	07/30/1992	PACKAGED ANTI-PLAQUE ORAL COMPOSITIONS	ROBINSON, RICHARD S.
07931622	5279813	150	08/18/1992	PLAQUE INHIBITION WITH ANTIIPLAQUE ORAL COMPOSITION DISPENSED FROM CONTAINER HAVING POLYMERIC MATERIAL IN CONTACT AND COMPATIBLE WITH THE COMPOSTION	ROBINSON, RICHARD S.
08179272	5496540	150	01/10/1994	PLAQUE INHIBITION WITH ANTIPLAQUE ORAL COMPOSITION DISPENSED FROM CONTAINER HAVING POLYMERIC MATERIAL IN CONTACT AND COMPATIBLE WITH THE COMPOSITION	ROBINSON, RICHARD S.
06471283	4511278	150	03/02/1983	CONNECTOR UNIT FOR GEODESIC DOME FRAME STRUT	ROBINSON, RICHARD T.
09014690	Not Issued	161	01/29/1998	REVERSE CIRCULATION DRILL ASSEMBLY	ROBINSON, RICHARD T.

09071641	6097866	150	05/01/1998	OPTICAL FIBER RIBBON	ROBINSON, RICHARD T.
09111423	6066275	150	07/07/1998	METHOD AND APPARATUS FOR DETERMINING AND CONTROLLING EXCESS LENGTH OF A COMMUNICATIONS ELEMENT IN A CONDUIT	ROBINSON, RICHARD T.
05918285	D259553	150	06/22/1978	SUBMARINE	ROBINSON, RICHARD THOMAS
11209985	Not Issued	30	08/23/2005	Defining consistent access control policies	ROBINSON, RICHARD V.
10825617	Not Issued	30	04/16/2004	Managing instant messages	ROBINSON, RICHARD W.

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Published before February 2004
Terms used: **telephony registration; key server; authentication**

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1 Towards junking the PBX: deploying IP telephony

Wenyu Jiang, Jonathan Lennox, Henning Schulzrinne, Kundan Singh
January 2001 **Proceedings of the 11th international workshop on Network and operating systems support for digital audio and video NOSSDAV '01**
Publisher: ACM Press

Full text available: pdf(312.40 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe the architecture and implementation of our Internet teleph ony test-bed intended to replace the departmental PBX (telephone switch). It interworks with the traditional telephone networks via a PSTN/IP gateway. It also serves as a corporate or campus infrastructure for existing and future services like web, email, video and streaming media. Initially intended for a few users, it will eventually replace the plain old telephones from our offices, due to the cost benefit and new ...

Keywords: PSTN/IP interoperability, SIP, VoIP test-bed, internet telephony deployment

2 Special issue on wireless extensions to the internet: Interworking internet telephony and wireless telecommunications networks

Jonathan Lennox, Kazutaka Murakami, Mehmet Karaul, Thomas F. La Porta
October 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 5
Publisher: ACM Press

Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, references

Internet telephony and mobile telephony are both growing very rapidly. Directly interworking the two presents significant advantages over connecting them through an intermediate PSTN link. We propose three novel schemes for the most complex aspect of the interworking: call delivery from an Internet telephony (SIP) terminal to a mobile telephony (UMTS) terminal. We then evaluate the proposals both qualitatively and quantitatively. However, existing equipment may not support packet interfaces n ...

3 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz
March 2002 **Wireless Networks**, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers

Full text available: pdf(365.68 KB) Additional Information: full citation, abstract, references, citings, index terms

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an

interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the architecture and implementation of a secure wide-area Service Discovery Service (SDS). Service providers use the SDS to advertise descriptions of available ...

Keywords: location services, name lookup, network protocols, service discovery

4 Mobile networking in the Internet

Charles E. Perkins

December 1998 **Mobile Networks and Applications**, Volume 3 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(166.90 KB) Additional Information: full citation, abstract, references, cited by, index terms

Computers capable of attaching to the Internet from many places are likely to grow in popularity until they dominate the population of the Internet. Consequently, protocol research has shifted into high gear to develop appropriate network protocols for supporting mobility. This introductory article attempts to outline some of the many promising and interesting research directions. The papers in this special issue indicate the diversity of viewpoints within the research community, and it is ...

5 Global internet roaming with ROAMIP

Zoltán R. Turányi, Csanád Szabó, Eszter Kail

July 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 3

Publisher: ACM Press

Full text available: pdf(1.19 MB) Additional Information: full citation, abstract, citings, index terms

Reachability and session continuity represent two distinct services that global mobility protocols should provide. Reachability is the possibility for Internet hosts to initiate sessions to mobile users. Session continuity refers to mechanisms that ensure that active transport or application layer sessions are not broken due to mobility. We present ROAMIP, a global mobility architecture that uses application layer solutions for global reachability and reuses transparent Mobile IP tunnelling mech ...

6 Experiences with network-based user agents for mobile applications

Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: pdf(631.57 KB) Additional Information: full citation, abstract, references, citings, index terms

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network to assist with application processing that would normally take place on end devices. These agents can additionally manipulate data to reduce bandwidth requirements and assist in providing services. The design and implementation of a user a ...

7 Application-layer mobility using SIP

Henning Schulzrinne, Elin Wedlund

July 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 3

Publisher: ACM Press

Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, citings, index terms

Supporting mobile Internet multimedia applications requires more than just the ability to maintain connectivity across subnet changes. We describe how the Session Initiation Protocol (SIP) can help provide terminal, personal, session and service mobility to applications ranging from Internet telephony to presence and instant messaging. We also

briefly discuss application-layer mobility for streaming multimedia applications initiated by RTSP.

8 Data and Content: MarconiNet supporting streaming media over localized wireless multicast

Ashutosh Dutta, Subir Das, Wai Chen, Anthony McAuley, Henning Schulzrinne, Onur Altintas
September 2002 **Proceedings of the 2nd international workshop on Mobile commerce WMC '02**
Publisher: ACM Press

Full text available: pdf(464.72 KB) Additional Information: full citation, abstract, references, citings, index terms

Flexible multi-media streaming such as advertisment insertion, location based services, mobility and wireless access are vital components that make existing Internet Radio and TV networks more attractive for the roaming users. All of these applications also provide added value to telematics, and military usage including coordination, education, situation awareness, distributed simulation, battlefield communication and multi-player games. While content distribution over a wired network can be rea ...

Keywords: join/leave latency, marconinet, multicast, streaming

9 Protocol design for scalable and reliable group rekeying

X. Brian Zhang, Simon S. Lam, Dong-Young Lee, Y. Richard Yang
December 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 6
Publisher: IEEE Press

Full text available: pdf(982.86 KB) Additional Information: full citation, abstract, references, citings, index terms

We present the design and specification of a protocol for scalable and reliable group rekeying together with performance evaluation results. The protocol is based upon the use of key trees for secure groups and periodic batch rekeying. At the beginning of each rekey interval, the key server sends a rekey message to all users consisting of encrypted new keys (encryptions, in short) carried in a sequence of packets. We present a scheme for identifying keys, encryptions, and users, and a key assign ...

Keywords: adaptive FEC, group key management, proactive FEC, reliable multicast, secure multicast

10 Mobile IP and the IETF

Charles E. Perkins
January 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 1
Publisher: ACM Press
Full text available: pdf(691.83 KB) Additional Information: full citation, index terms

11 Managing update conflicts in Bayou, a weakly connected replicated storage system

D. B. Terry, M. M. Theimer, Karin Petersen, A. J. Demers, M. J. Spreitzer, C. H. Hauser
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5
Publisher: ACM Press
Full text available: pdf(1.56 MB) Additional Information: full citation, references, citings, index terms

12 Using PARLAY APIs over a SIP system in a distributed service platform for carrier grade multimedia services

Rudolf Pailer, Johannes Stadler, Igor Miladinovic
July 2003 **Wireless Networks**, Volume 9 Issue 4
Publisher: Kluwer Academic Publishers

Full text available: pdf(1.19 MB) Additional Information: full citation, abstract, references, citings, index terms

The implementation of new mobile communication technologies developed in the third generation partnership project (3GPP) will allow to access the Internet not only from a PC but also via mobile phones, palmtops and other devices. New applications will emerge, combining several basic services like voice telephony, e-mail, voice over IP, mobility or web-browsing, and thus wiping out the borders between the fixed telephone network, mobile radio and the Internet. Offering those value-added services ...

Keywords: SIP-Parlay mapping, caller preferences, carrier grade services, network-independent services, service platform

13 Conferencing: Ubiquitous computing using SIP

Stefan Berger, Henning Schulzrinne, Stylianos Sidiroglou, Xiaotao Wu
June 2003 **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video NOSSDAV '03**
Publisher: ACM Press

Full text available: pdf(96.16 KB) Additional Information: full citation, abstract, references, citings, index terms

In the past decade, there have been numerous efforts in ubiquitous computing, making computational resources or communication more widely available. We believe that it is time to move to a global-scale ubiquitous computing system that is securable, administered by multiple independent administrators and integrates off-the-shelf hardware and software. We are developing such a system based on the Session Initiation Protocol (SIP), with Bluetooth devices for location sensing and Service Location Pr ...

Keywords: SIP, SLP, bluetooth, location based services, scalability, ubiquitous computing

14 IP micro-mobility protocols

Andrew T. Campbell, Javier Gomez-Castellanos
October 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 4
Publisher: ACM Press

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, citings, index terms

The IETF Mobile IP Working Group is discussing a number of enhancements to the base protocol to reduce the latency, packet loss and signaling overhead experienced during handoff. In this article, we discuss a number of "micro-mobility protocols" that extend Mobile IP with fast handoff and paging capabilities. The aim of this article is not to provide an exhaustive survey of these protocols. Rather, we discuss the motivation behind micro-mobility, present common characteristics that a number of p ...

15 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world

Marjory S. Blumenthal, David D. Clark
August 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1
Publisher: ACM Press

Full text available: pdf(176.33 KB) Additional Information: full citation, abstract, references, citings, index terms

This article looks at the Internet and the changing set of requirements for the Internet as it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design of the Internet, called the end-to-end arguments, and we conclude that there is a risk that the

range of new requirements now emerging could have the consequence of compromising the Internet's original design principles. Were ...

Keywords: ISP, Internet, end-to-end argument

16 Security issues for wireless ATM networks

Danai Patiyoot
January 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue 1
Publisher: ACM Press
Full text available: pdf(1.75 MB) Additional Information: full citation, abstract, references, index terms

To be able to fulfil the need of user in wireless ATM, the system has to acquire features. One of the system features for the wireless ATM is functionality especially the security aspect. There is so far tittle, if not none, security consideration in the developing of wireless ATM standard. Therefore a wide range of features in security functions is in consideration. This paper tried to define the features of security in wireless ATM networks considering it features from existing fixed ATM netwo ...

Keywords: security, wireless ATM

17 Draft report of the Federal Internetworking Requirements Panel, and selected responses

Diane Fountaine
April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2
Publisher: ACM Press
Full text available: pdf(4.15 MB) Additional Information: full citation, index terms

18 The case for services over cascaded networks

Anthony D. Joseph, B. R. Badrinath, Randy H. Katz
October 1998 **Proceedings of the 1st ACM international workshop on Wireless mobile multimedia WOWMOM '98**
Publisher: ACM Press
Full text available: pdf(1.08 MB) Additional Information: full citation, references, citings, index terms

19 Mobile IP and the IETF

Charles E. Perkins
April 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 2
Publisher: ACM Press
Full text available: pdf(631.96 KB) Additional Information: full citation, index terms

20 A service framework for carrier grade multimedia services using PARPLAY APIs over a SIP system

Rudolf Pailer, Johannes Stadler
July 2001 **Proceedings of the first workshop on Wireless mobile internet WMI '01**
Publisher: ACM Press
Full text available: pdf(713.19 KB) Additional Information: full citation, abstract, references, index terms

The implementation of new mobile communication technologies developed in the third generation partnership project (3GPP) will allow to access the Internet not only from a PC but also via mobile phones, palmtops and other devices. New applications will emerge, combining several basic services like voice telephony, e-mail, voice over IP, mobility or

web-browsing, and thus wiping out the borders between the fixed telephone network, mobile radio and the Internet. Offering those value-added s ...

Keywords: SIR-PARLAY mapping, caller preferences, carrier grade services, network-independent services, service platform

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Published before February 2004
Terms used: **telephony registration; key server; authentication**

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Relevance scale

21 Integrating notification services in computer network and mobile telephony

Vittorio Ghini, Giovanni Pau, Paola Salomoni
March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2 SAC '00**
Publisher: ACM Press
Full text available: pdf(546.77 KB) Additional Information: full citation, references, citings, index terms

Keywords: integration of mobile and stationary systems, mobile applications and services, personal communications

22 Voice over IP: A conference gateway supporting interoperability between SIP and H.323

Jiann-Min Ho, Jia-Cheng Hu, Peter Steenkiste
October 2001 **Proceedings of the ninth ACM international conference on Multimedia MULTIMEDIA '01**
Publisher: ACM Press
Full text available: pdf(805.09 KB) Additional Information: full citation, abstract, references, citings, index terms

Increased network bandwidth is making desktop video conferencing an attractive application for an increasing number of computer users. Unfortunately, two competing standards for video conferencing signaling are in use, H.323 and SIP. In this paper we look at the interoperability between these two standards by developing a conferencing gateway that supports conferences involving both SIP and H.323 clients. By appropriately translating between H.323 and SIP operations, our prototype gateway suppor ...

Keywords: H.323, SIP, interoperability, video conferencing gateway, video conferencing signaling protocols

23 Frameworks for component-based client/server computing

Scott M. Lewandowski
March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1
Publisher: ACM Press
Full text available: pdf(243.81 KB) Additional Information: full citation, references, citings, index terms

24 An open architecture for next-generation telecommunication services

Gregory W. Bond, Eric Cheung, K. Hal Purdy, Pamela Zave, J. Christopher Ramming
February 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 1
Publisher: ACM Press

Full text available: pdf(237.24 KB) Additional Information: full citation, abstract, references, citings, index terms

An open (in the sense of extensible and programmable) architecture for IP telecommunications must be based on a comprehensive strategy for managing feature interaction. We describe our experience with BoxOS, an IP telecommunication platform that implements the DFC technology for feature composition. We present solutions to problems, common to all efforts in IP telecommunications, of feature distribution, interoperability, and media management. We also explain how BoxOS addresses many deficiencie ...

Keywords: Component architectures, Intelligent Network architecture, Session Initiation Protocol, electronic mail, feature interaction, instant messaging, multimedia systems, network addressing, network interoperation, network optimization, network protocols, service creation

25 Regular features: Mobile IP and the IETF

Charles E. Perkins
April 2001 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 5 Issue 2
Publisher: ACM Press
Full text available: pdf(525.54 KB) Additional Information: full citation

26 Roaming and handoff management: MobileNAT: a new technique for mobility across heterogeneous address spaces

Milind Buddhikot, Adiseshu Hari, Kundan Singh, Scott Miller
September 2003 **Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots WMASH '03**
Publisher: ACM Press
Full text available: pdf(303.26 KB) Additional Information: full citation, abstract, references, index terms

We propose a new network layer mobility architecture called MobileNAT to efficiently support micro and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) Use of two IP addresses -- an invariant virtual IP address for host identification at the application layer and an actual routable address at the network layer that changes due to mobility. Since physical address has routing significance only withi ...

Keywords: MobileNAT, mobility

27 To tap or not to tap

Dorothy E. Denning
March 1993 **Communications of the ACM**, Volume 36 Issue 3
Publisher: ACM Press
Full text available: pdf(4.54 MB) Additional Information: full citation, references, citings, index terms

28 Mobility support using SIP

Elin Wedlund, Henning Schulzrinne
August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia WOWMOM '99**
Publisher: ACM Press

Full text available: pdf(711.48 KB) Additional Information: full citation, references, citings, index terms

29 How to avoid unwanted email

Robert J. Hall
March 1998 **Communications of the ACM**, Volume 41 Issue 3
Publisher: ACM Press
Full text available: pdf(294.69 KB) Additional Information: full citation, references, citings, index terms

30 Mobile IP and the IETF

Charles E. Perkins
July 1999 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 3 Issue 3
Publisher: ACM Press
Full text available: pdf(466.87 KB) Additional Information: full citation, index terms

31 Columns: Risks to the public in computers and related systems

Peter G. Neumann
January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1
Publisher: ACM Press
Full text available: pdf(3.24 MB) Additional Information: full citation

32 Conferencing: A protocol for reliable decentralized conferencing

Jonathan Lennox, Henning Schulzrinne
June 2003 **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video NOSSDAV '03**
Publisher: ACM Press
Full text available: pdf(221.65 KB) Additional Information: full citation, abstract, references, citings, index terms

Many approaches and topologies --- including multicast and media mixing --- have been proposed for distributed Internet conferencing. While existing solutions can work well for large or pre-arranged conferences, they can be less appropriate for smaller, impromptu ones. We present an alternative, *full mesh conferencing*, which allows any number of parties to communicate in a conference without a central point of control. The protocol allows parties to join and leave the conference at any ti ...

Keywords: conferencing, fully-meshed peer relationship, internet telephony, reliability, session initiation protocol (SIP)

33 Querying network directories

H. V. Jagadish, Laks V. S. Lakshmanan, Tova Milo, Divesh Srivastava, Dimitra Vista
June 1999 **ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data SIGMOD '99**, Volume 28 Issue 2
Publisher: ACM Press
Full text available: pdf(1.50 MB) Additional Information: full citation, abstract, references, citings, index terms

Heirarchically structured directories have recently proliferated with the growth of the Internet, and are being used to store not only address books and contact information for people, but also personal profiles, network resource information, and network and service policies. These systems provide a means for managing scale and heterogeneity, while allowing for conceptual unity and autonomy across multiple directory servers in the

network, in a way for superior to what conventional relation ...

34 Rednet: a wireless ATM local area network using infrared links

J. H. Condon, T. S. Duff, M. F. Jukl, C. R. Kalmanek, B. N. Locanthi, J. P. Savicki, J. H. Venutolo

December 1995 **Proceedings of the 1st annual international conference on Mobile computing and networking MobiCom '95**

Publisher: ACM Press

Full text available: pdf(1.27 MB) Additional Information: full citation, references, cited by, index terms

35 The Next Bang: The Explosive Combination of Embedded Linux, XML and Instant Messaging

Doc Searls

September 2000 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(34.52 KB) Additional Information: full citation, references, index terms

36 Special issue on wireless extensions to the internet: A cooperative approach to user mobility

Robin Kravets, Casey Carter, Luiz Magalhães

October 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 5

Publisher: ACM Press

Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, references, citings

We propose a networking model that treats a user's set of personal devices as a MObile grouPEd Device, a MOPED, which appears as a single entity to the rest of the Internet. All communication for a user is directed to this point of presence. As the user moves through different environments, the devices cooperate to provide the user with access to all available communication resources. We present the basic networking functionality necessary to enable the operation of MOPEDs and their integrati ...

37 Going wireless, enabling an adaptive and extensible environment

Theo G. Kanter

February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(483.21 KB) Additional Information: full citation, abstract, references, index terms

This paper discusses limitations in existing and projected solutions for delivering applications to mobile users (e.g., in 3G) in an increasingly diverse heterogeneous wireless infrastructure in combination with the on-going deregulation of mobile communication and with an increasing number of more narrowly defined roles of parties participating in the delivery of applications to mobile users. Furthermore, for future service growth, users need to be the center of communication via applications t ...

Keywords: agents, context, scalability, service, wireless

38 Survivable mobile wireless networks: issues, challenges, and research directions

James P. G. Sterbenz, Rajesh Krishnan, Regina Rosales Hain, Alden W. Jackson, David Levin, Ram Ramanathan, John Zao

September 2002 **Proceedings of the 1st ACM workshop on Wireless security WiSE '02**

Publisher: ACM Press

Full text available: pdf(371.17 KB) Additional Information: full citation, abstract, references, cited by, index terms

In this paper we survey issues and challenges in enhancing the survivability of mobile

wireless networks, with particular emphasis on military requirements*. Research focus on three key aspects can significantly enhance network survivability: (i) establishing and maintaining survivable topologies that strive to keep the network connected even under attack, (ii) design for end-to-end communication in challenging environments in which the path from source to destination is not wholly available at ...

Keywords: ad hoc routing, asymmetric channel, disconnected, eventual connectivity, eventual stability, fault tolerance, low probability of detection (LPD), mobile wireless network, satellite, security, store and haul forwarding, survivability, topology, weak and episodic connectivity

39 SIGCOMM 2003 conference workshop reports: Revisiting IP QoS: why do we care, what have we learned? ACM SIGCOMM 2003 RIPQOS workshop report

Grenville J. Armitage

October 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 5

Publisher: ACM Press

Full text available: pdf(284.97 KB) Additional Information: full citation, abstract, references

ACM SIGCOMM 2003 included a number of workshops, including the all-day workshop "Revisiting IP QoS: Why do we care, what have we learned? (RIPQOS)." The goal of RIPQOS was to critique the evolution and deployment of IP quality of service (QoS) mechanisms, from both the research and operational community perspectives. The workshop's name was a challenge to all interested communities to reflect on whether IP QoS has lived up to the hype or whether it is simply misunderstood. The workshop saw 6 pap ...

Keywords: IP, RIPQOS, Sigcomm, workshop

40 Roaming and handoff management: A generic business model for WLAN hotspots: a roaming business case in The Netherlands

Jack Verhoosel, Roel Stap, Alfons Salden

September 2003 **Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots WMASH '03**

Publisher: ACM Press

Full text available: pdf(345.42 KB) Additional Information: full citation, abstract, references, citings, index terms

We present a generic business model for WLAN hotspots that comprises a role, resource and revenue model of a value network. We distinguish roles like customer, hotspot provider, hotstpot owner, device owner, device provider, location owner, portal providers (e.g. internet service providers, corporate network providers), enabling service providers (e.g. authentication and authorization), network management and maintenance providers, and mobile and data network providers. In a hotspot enterprise s ...

Keywords: business case, business model, different network technologies, hotspot, roaming

Published before February 2004
Terms used: **telephony registration; key server; authentication**

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Relevance scale

41 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1
Publisher: ACM Press
Full text available: pdf(2.54 MB) Additional Information: full citation

42 Mobile commerce opportunities and challenges: Interface design for mobile commerce

Young Eun Lee, Izak Benbasat
December 2003 **Communications of the ACM**, Volume 46 Issue 12
Publisher: ACM Press
Full text available: pdf(99.20 KB) html(18.45 KB) Additional Information: full citation, abstract, references, citings, index terms

Understanding the unique characteristics of m-commerce to enhance and improve the user interface.

43 Session III: Mobility Management in multimedia networks: Mobility support in unified communication networks

Helen J. Wang, Randy H. Katz
July 2001 **Proceedings of the 4th ACM international workshop on Wireless mobile multimedia WOWMOM '01**
Publisher: ACM Press
Full text available: pdf(1.11 MB) Additional Information: full citation, abstract, references, index terms

Rapid advances in communication networks and device technologies have enabled people with powerful means of communications. It is common for any individual to be associated with a number of heterogeneous communication devices (such as phones, pagers, PDAs) or a variety of applications (such as e-mail, instant messaging, or chat-rooms). This phenomenon has spurred a great demand for *unifie dcommunication* [20] services which integrate one's various communication mechanisms in a meaningful a ...

44 Overview of 5ESS-2000 switch performance

Richard Singer
October 1998 **Proceedings of the 1st international workshop on Software and performance WOSP '98**
Publisher: ACM Press
Full text available: pdf(910.09 KB) Additional Information: full citation, index terms

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